

1638

RAW SEQUENCE LISTING DATE: 06/12/2000
 PATENT APPLICATION: US/09/235,875 TIME: 16:08:36

Input Set : A:\Mbx 0201.app
 Output Set: N:\CRF3\06122000\I235875.raw

ENTERED

```

3 <110> APPLICANT: Madison, Lara
4      Huisman, Gjalt W.
5      Peoples, Oliver P.
7 <120> TITLE OF INVENTION: Transgenic Systems for the Manufacture of
8      Poly(2-Hydroxy-Butyrate-Co-3-Hydroxyhexanoate)
10 <130> FILE REFERENCE: MBX 020
12 <140> CURRENT APPLICATION NUMBER: 09/235,875
13 <141> CURRENT FILING DATE: 1999-01-22
15 <150> PRIOR APPLICATION NUMBER: 60/072,198
16 <151> PRIOR FILING DATE: 1998-01-22
18 <160> NUMBER OF SEQ ID NOS: 16
20 <170> SOFTWARE: PatentIn Ver. 2.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 34
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Description of Artificial Sequence:
29      oligonucleotide primer- RSCP1
31 <220> FEATURE:
32 <221> NAME/KEY: misc_feature
33 <222> LOCATION: (1)..(34)
34 <223> OTHER INFORMATION: primer
36 <400> SEQUENCE: 1
37 gatgccgggtc gacccgcggg accgccgctt ctcc
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 27
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial Sequence
45 <220> FEATURE:
46 <223> OTHER INFORMATION: Description of Artificial Sequence:
47      oligonucleotide primer- RSCP2
49 <220> FEATURE:
50 <221> NAME/KEY: misc_feature
51 <222> LOCATION: (1)..(27)
52 <223> OTHER INFORMATION: primer
54 <400> SEQUENCE: 2
55 tcagctgaag acgtacgtac ccggagc
58 <210> SEQ ID NO: 3
59 <211> LENGTH: 20
60 <212> TYPE: DNA
61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Description of Artificial Sequence:
65      oligonucleotide primer- RD-up
67 <220> FEATURE:
68 <221> NAME/KEY: misc_feature

```

34

27

RAW SEQUENCE LISTING

DATE: 06/12/2000

PATENT APPLICATION: US/09/235,875

TIME: 16:08:36

Input Set : A:\Mbx 0201.app

Output Set: N:\CRF3\06122000\I235875.raw

```

69 <222> LOCATION: (1)..(20)
70 <223> OTHER INFORMATION: primer
72 <220> FEATURE:
73 <221> NAME/KEY: misc_feature
74 <222> LOCATION: (1)..(20)
75 <223> OTHER INFORMATION: n represents inosine
77 <400> SEQUENCE: 3
W--> 78 cgngtngcnc tngtnacngg 20
81 <210> SEQ ID NO: 4
82 <211> LENGTH: 20
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Description of Artificial Sequence:
88     oligonucleotide primer- RD-dwn
90 <220> FEATURE:
91 <221> NAME/KEY: misc_feature
92 <222> LOCATION: (1)..(18)
93 <223> OTHER INFORMATION: primer
95 <220> FEATURE:
96 <221> NAME/KEY: misc_feature
97 <222> LOCATION: (1)..(20)
98 <223> OTHER INFORMATION: n represents inosine
100 <400> SEQUENCE: 4
W--> 101 cccatgtaca gncncncgtt 20
104 <210> SEQ ID NO: 5
105 <211> LENGTH: 30
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Description of Artificial Sequence:
111     oligonucleotide primer- C7-5'
113 <220> FEATURE:
114 <221> NAME/KEY: misc_feature
115 <222> LOCATION: (1)..(30)
116 <223> OTHER INFORMATION: primer
118 <400> SEQUENCE: 5
119 aagtcgacca tgcattccgat cggctggggg 30
122 <210> SEQ ID NO: 6
123 <211> LENGTH: 35
124 <212> TYPE: DNA
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: Description of Artificial Sequence:
129     oligonucleotide primer- C7-3'
131 <220> FEATURE:
132 <221> NAME/KEY: misc_feature
133 <222> LOCATION: (1)..(35)
134 <223> OTHER INFORMATION: primer

```

RAW SEQUENCE LISTING DATE: 06/12/2000
 PATENT APPLICATION: US/09/235,875 TIME: 16:08:36

Input Set : A:\Mbx 0201.app
 Output Set: N:\CRF3\06122000\I235875.raw

```

136 <400> SEQUENCE: 6
137 acgctgttca gatcttcgca agatgaatgc taacg
140 <210> SEQ ID NO: 7
141 <211> LENGTH: 47
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence:
147     oligonucleotide primer- 5' crt
149 <220> FEATURE:
150 <221> NAME/KEY: misc_feature
151 <222> LOCATION: (1)..(47)
152 <223> OTHER INFORMATION: primer
154 <400> SEQUENCE: 7
155 ggggatccga attcaggagg tttttatgga actaaacaat gtcattc
158 <210> SEQ ID NO: 8
159 <211> LENGTH: 31
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence:
165     oligonucleotide primer- 3' crt
167 <220> FEATURE:
168 <221> NAME/KEY: misc_feature
169 <222> LOCATION: (1)..(31)
170 <223> OTHER INFORMATION: primer
172 <400> SEQUENCE: 8
173 ggaattcgag ctctatatc tttttgaagc c
176 <210> SEQ ID NO: 9
177 <211> LENGTH: 47
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence:
183     oligonucleotide primer- 5' hbd
185 <220> FEATURE:
186 <221> NAME/KEY: misc_feature
187 <222> LOCATION: (1)..(47)
188 <223> OTHER INFORMATION: primer
190 <400> SEQUENCE: 9
191 ggaattcggt accaggaggt ttttatgaaa aaggtatgtg ttatagg
194 <210> SEQ ID NO: 10
195 <211> LENGTH: 37
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence:
201     oligonucleotide primer- 3' hbd
203 <220> FEATURE:

```

35

47

31

47

RAW SEQUENCE LISTING

DATE: 06/12/2000

PATENT APPLICATION: US/09/235,875

TIME: 16:08:36

Input Set : A:\Mbx 0201.app

Output Set : N:\CRF3\06122000\I235875.raw

```

204 <221> NAME/KEY: misc_feature
205 <222> LOCATION: (1)..(37)
206 <223> OTHER INFORMATION: primer
208 <400> SEQUENCE: 10
209 ggaattcccc gggttatttt gaataatcgt agaaacc 37
212 <210> SEQ ID NO: 11
213 <211> LENGTH: 45
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Description of Artificial Sequence:
219     oligonucleotide primer- 5' bcd
221 <220> FEATURE:
222 <221> NAME/KEY: misc_feature
223 <222> LOCATION: (1)..(45)
224 <223> OTHER INFORMATION: primer
226 <400> SEQUENCE: 11
227 ggaattcctg cagaggaggt tttatggatt ttaatttaac aagag 45
230 <210> SEQ ID NO: 12
231 <211> LENGTH: 33
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Description of Artificial Sequence:
237     oligonucleotide primer- 3' bcd
239 <220> FEATURE:
240 <221> NAME/KEY: misc_feature
241 <222> LOCATION: (1)..(33)
242 <223> OTHER INFORMATION: primer
244 <400> SEQUENCE: 12
245 ggaattcgca tgcttatcta aaaatttttc ctg 33
248 <210> SEQ ID NO: 13
249 <211> LENGTH: 54
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Description of Artificial Sequence:
255     oligonucleotide primer- 5' eftBA
257 <220> FEATURE:
258 <221> NAME/KEY: misc_feature
259 <222> LOCATION: (1)..(54)
260 <223> OTHER INFORMATION: primer
262 <400> SEQUENCE: 13
263 ggaattcgga tccaggaggt tttatgaata tagttgtttg tttaacaag ttcc 54
266 <210> SEQ ID NO: 14
267 <211> LENGTH: 40
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 06/12/2000

PATENT APPLICATION: US/09/235,875

TIME: 16:08:36

Input Set : A:\Mbx 0201.app

Output Set: N:\CRF3\06122000\I235875.raw

```

272 <223> OTHER INFORMATION: Description of Artificial Sequence:
273     oligonucleotide primer- 3' eftBA
275 <220> FEATURE:
276 <221> NAME/KEY: misc_feature
277 <222> LOCATION: (1)..(40)
278 <223> OTHER INFORMATION: primer
280 <400> SEQUENCE: 14
281 ggaattcgtc gacttaatta ttagcagctt taacttgagc          40
284 <210> SEQ ID NO: 15
285 <211> LENGTH: 39
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Description of Artificial Sequence:
291     oligonucleotide primer- Ac3-5'
293 <220> FEATURE:
294 <221> NAME/KEY: misc_feature
295 <222> LOCATION: (1)..(39)
296 <223> OTHER INFORMATION: primer
298 <400> SEQUENCE: 15
299 agaattcagg aggacgccgc atgagcgcac aatccctgg          39
302 <210> SEQ ID NO: 16
303 <211> LENGTH: 29
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Description of Artificial Sequence:
309     oligonucleotide primer- Ac3-3'
311 <220> FEATURE:
312 <221> NAME/KEY: misc_feature
313 <222> LOCATION: (1)..(29)
314 <223> OTHER INFORMATION: primer
316 <400> SEQUENCE: 16
317 ttctgcagc tcaaggcagc ttgaccacg          29

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/235,875

DATE: 06/12/2000

TIME: 16:08:37

Input Set : A:\Mbx 0201.app

Output Set: N:\CRF3\06122000\I235875.raw

L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4